

An
Inaugural Dissertation
on

Pneumonice Inflammation.

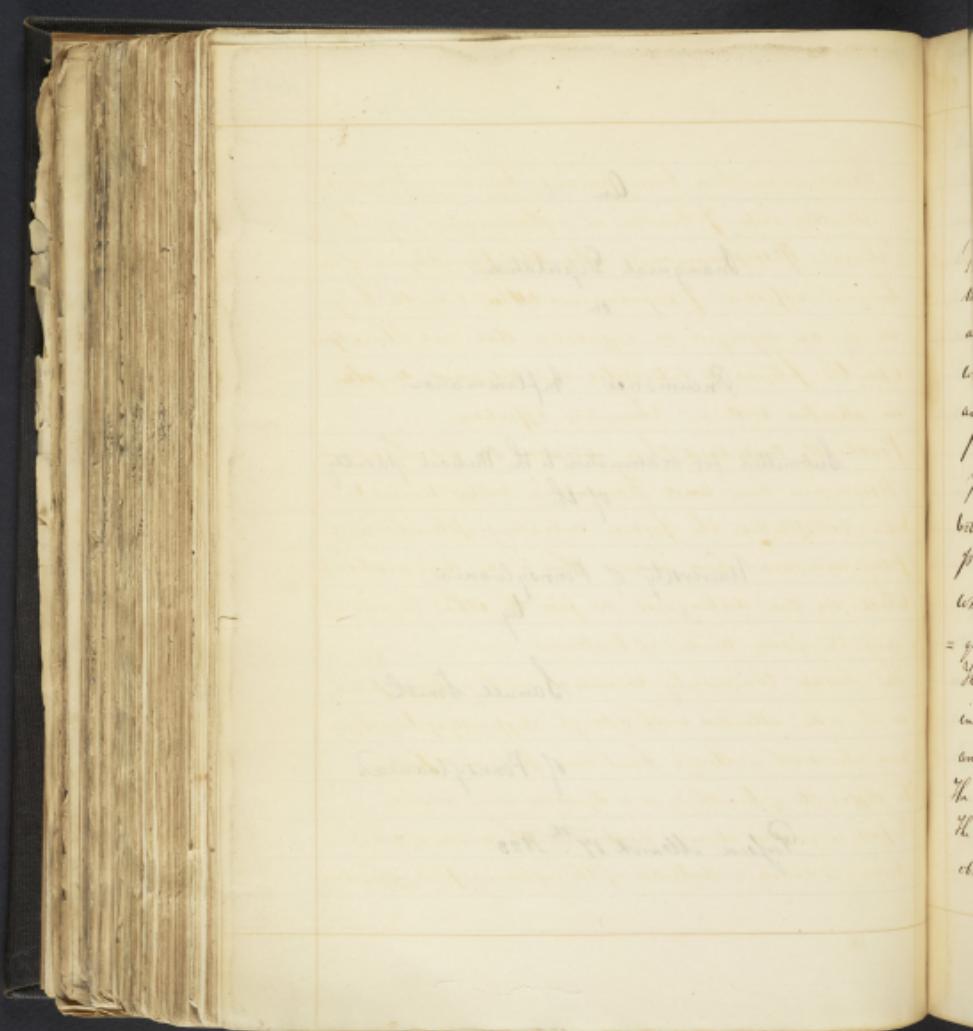
Submitted for examination to the Medical Faculty
of the

University of Pennsylvania
by

Samuel Smith

of Pennsylvania.

Passed March 17th 1823



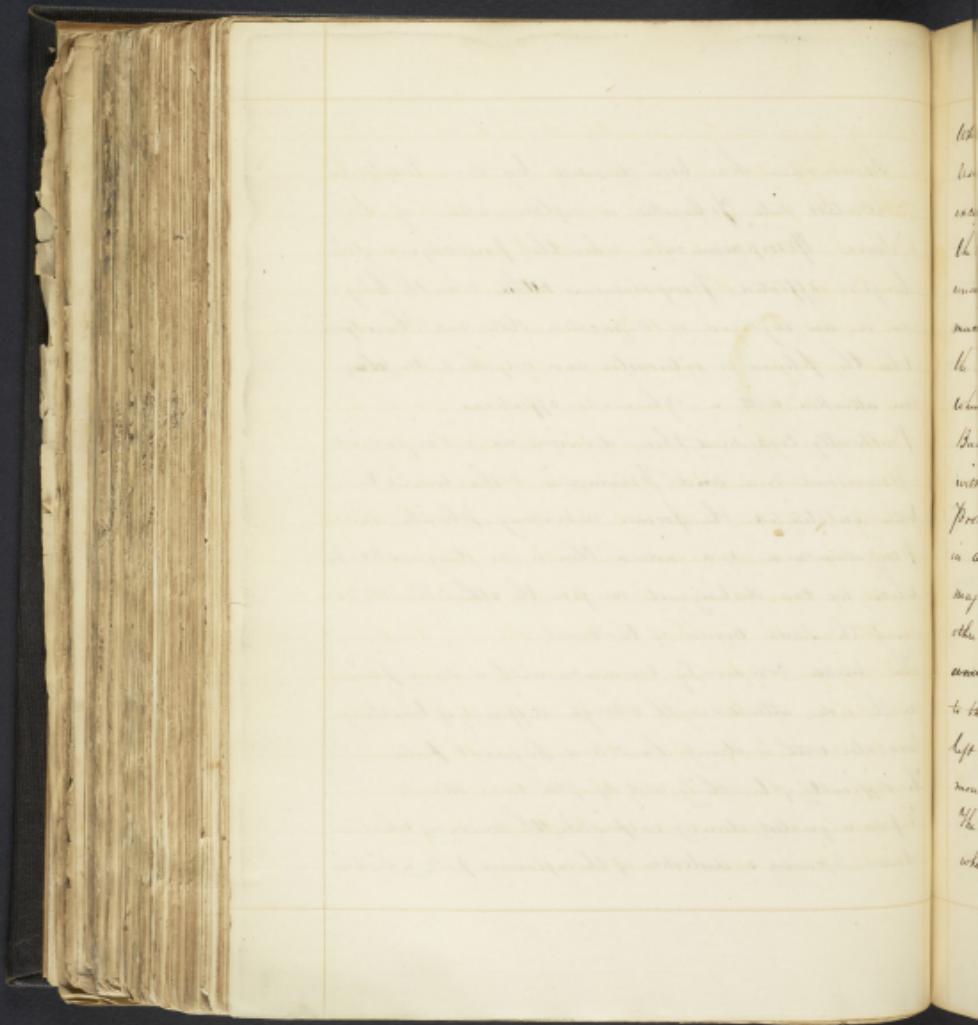
Pneumonia has been divided by some Nosological Writers into Pleuritis, or inflammation of the Pleura; Pneumonia when the parenchyma of the lungs is affected; Pneumonia Natura when the lungs are in an engorged or suffocative state; and Pleurodynia when the pleura or intercostal are adjacent muscles are affected with a rheumatic affection.

Practically considered these divisions are not important. Pneumonia vera and Pneumonia Natura would be better substituted, the former embracing pleuritis and Pneumonia, and indeed there is no diagnostic by which we can distinguish one from the other. They both require the same mode of treatment.

This disease commonly commences with a severe pain in the side, attended with a cough, difficulty of breathing and also with a strong, hard and frequent pulse.

The difficulty of breathing is a symptom never absent.

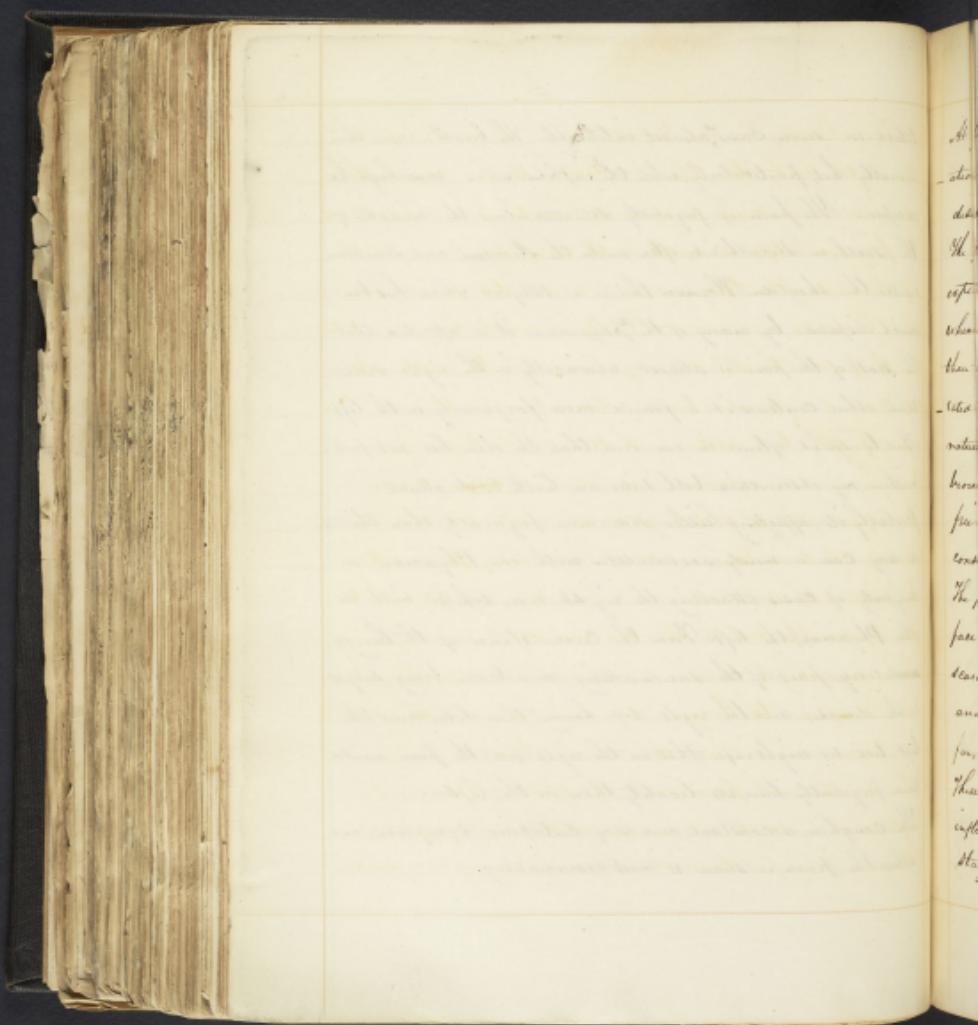
The pain is greatest during inspiration, the motion of which is obvious. It causes a distension of the inflamed part, which is



which in some cases, is almost intolerable. The breath is more than
usually hot, particularly when the inflammation seems least to
escape. The pain is frequently situated about the middle of
the sixth, or seventh rib, often under the Sternum, and sometimes
under the shoulder. However this is a subject which has been
much disputed: by many of the Physicians it is asserted that
the seat of the pain is almost universally in the right side;
while others contend it is found more frequently in the left.
But to fix it often in one side than the other has not fallen
within my observation: both sides are liable to its attack.

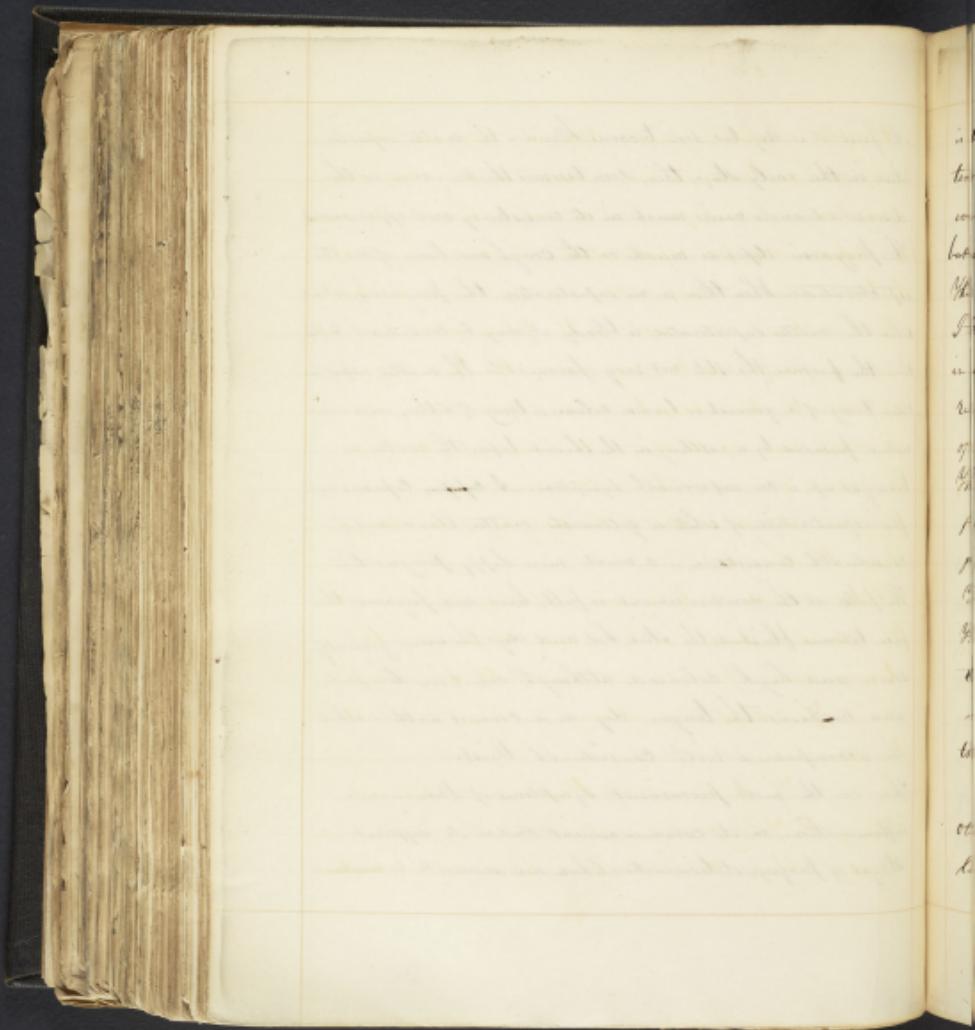
Probably its affecting either side more frequently than the other
in any case is merely accidental - with one Physician a
Majority of cases attacking the right side, whilst with an
other Physician the left. From the Circumstances of the lungs
and every part of the surrounding membrane being subject
to the disease; and the right side having three lobes and the
left two, we might infer that in the right side, the pain would
more frequently have its locality than in the left.

The Cough is a constant and very disturbing symptom; and
where the pain is severe is most excrevating.



At first it is dry, but soon becomes hoarse - the matter expectorated in this early stage, thin, soon becomes thicker, and as the disease advances varies much in its consistency and appearance. The prognosis depends much on the Cough and kind of matter expectorated: - when there is no expectoration the prognosis is bad; when the matter expectorated is bloody, it may be considered better than the former; the state not very favourable. The matter expectorated being of a greenish or brown colour; or being of a thin, and acrid nature, preceded by a rattling in the throat before the matter is brought up, is an unfavourable symptom. A copious copious and free expectoration of white or yellowish matter, bland and of considerable consistence, is a much more happy prognostic. The pulse at the commencement is full, hard and frequent; the face becomes flushed; the skin hot and dry; the veins generally scarce and high coloured, although sometimes livid and ~~conspicuous~~; the tongue dry and a coated with a white fur, accompanied with considerable thirst.

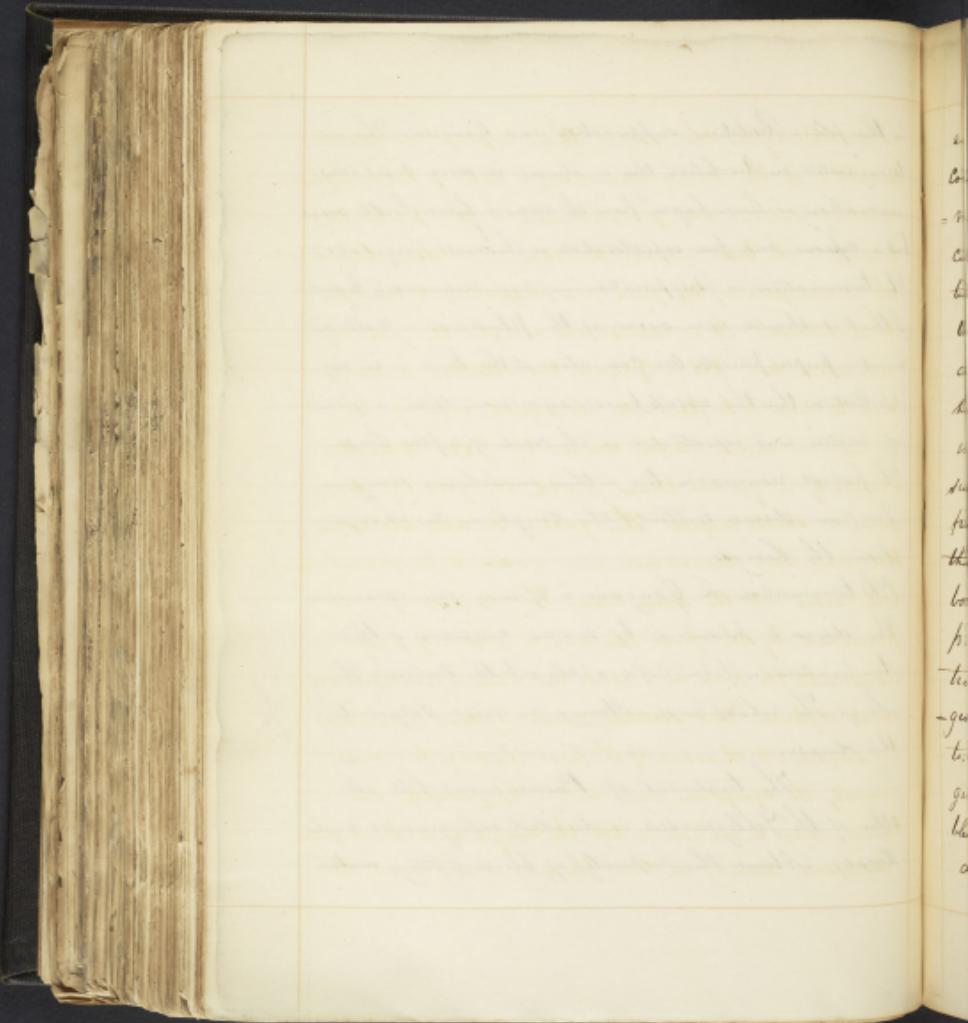
These are the most prominent symptoms of Pneumonia inflammation, in its commencement and in its different stages of progress, its termination, which now deserves to be considered.



is three-fold: - Resolution, Suppuration and Gangrene. When it terminates in Resolution, there is almost in every case some evacuation, or hemorrhage from the nose, or hemorrhoids occur, but a copious and free expectoration is the most frequent. The termination in Suppuration is of rare occurrence to death. I think it should never occur, if the physician is called in at a proper period. One case alone of this kind is in my recollection: that the abscess burst, and more than a quart of matter was expectorated in the course of a few hours. The patient recovered in two or three months, and remains free from disease without either cough, or discharge from the lungs.

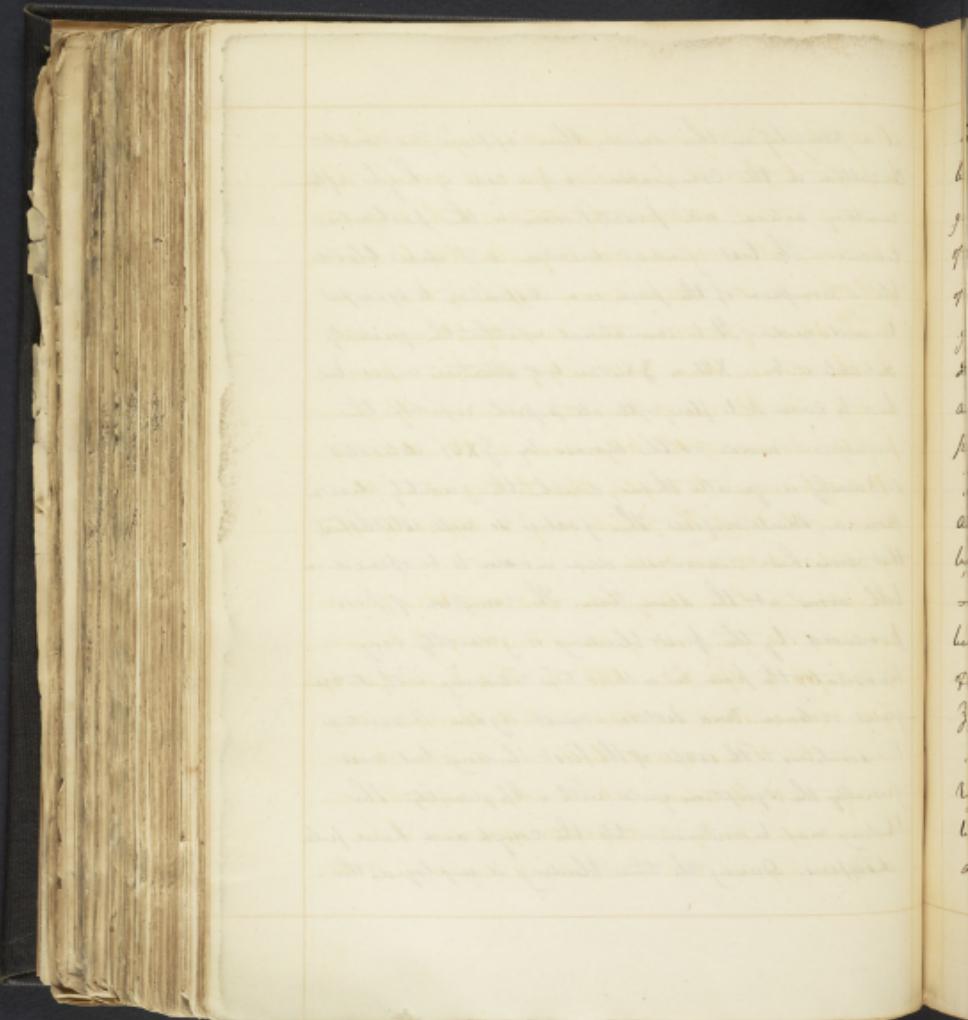
The termination in Gangrene is of very rare occurrence. This disease is produced by sudden elevation of the temperature, or from cold applied to the surface of the body. The robust and strong are most subject to this disease.

The treatment of Pneumonia, like all other of the Thelomatis, is divided into general and local. About the propriety of blood letting, ~~with~~



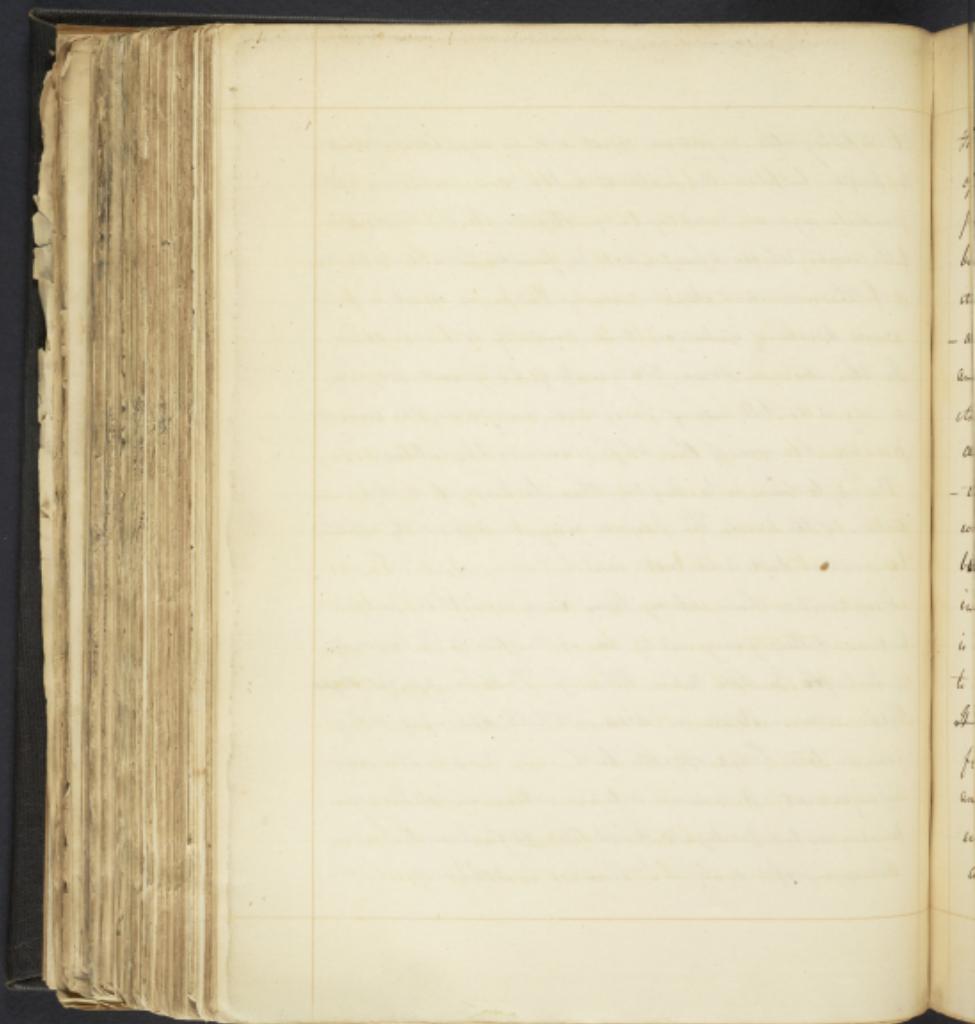
as a remedy in this disease, there appears to be no doubt. Consulted in the commencement of a case of high inflamatory action, all practitioners in this particular, concur. The best general direction is to draw blood till a remission of the pain, or a disposition to syncope be induced. It is immaterial whether the quantity detracted be XXV or XXXV fls, but attention must be had to cause it to flow with all possible rapidity; the impression made on the disease by XXV detracted suddenly is greater than doubt the quantity drawn from a small orifice. This fact is so well established, that some have recommended a vein to be opened in both arms at the same time. The remission of pain produced by the first bleeding is generally very transient; the pain in a short time returning with its original violence. This section must again be resorted to; sometimes to the extent of the first bleeding, but most generally the symptoms yield with a less quantity. The bleeding may be continued till the cough and hard pulse disappears. During the time bleeding is employed, the

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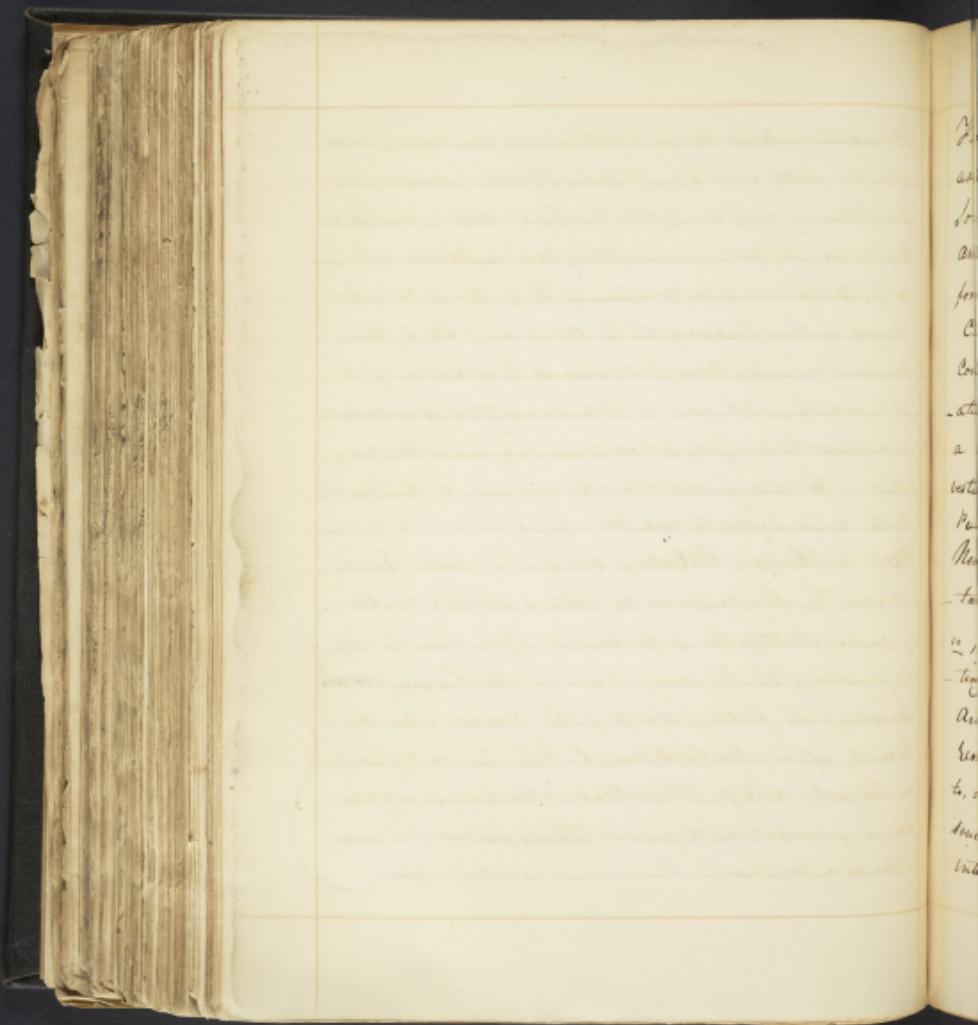


Antiphlogistic regimen must not be neglected. It will be proper to place the patient in bed and cover him lightly, guarding against excitement by attending to the temperature of the room, which should not be greater than 68 or 65 deg. of the thermometer. Much accumulation of heat is a great source of irritation and carefully to be avoided. In this disease, some contrariness of sentiment prevails, as regards the use of purgative medicines. The general practice however of the physicians, in the interior of Pennsylvania, is, to employ them to keep up a due action of the bowels. This purpose may be sufficiently effected by neutral salts and castor oil.

Diaphoretics have always been used more than purgatives, but are of late going out of use. A mixture of R. Carbonate of Potash 3 Spt Natrii Bthri Zi Part. Smeath 1/2 Aqua Zvi administered in doses of a tall spoonful every one or two hours, operates both as a diaphoretic and refrigerant. It reduces articular action more than can be accounted for by its diaphoretic effect alone. I have always preferred it to Dr Rush's Antimiscial Powder.

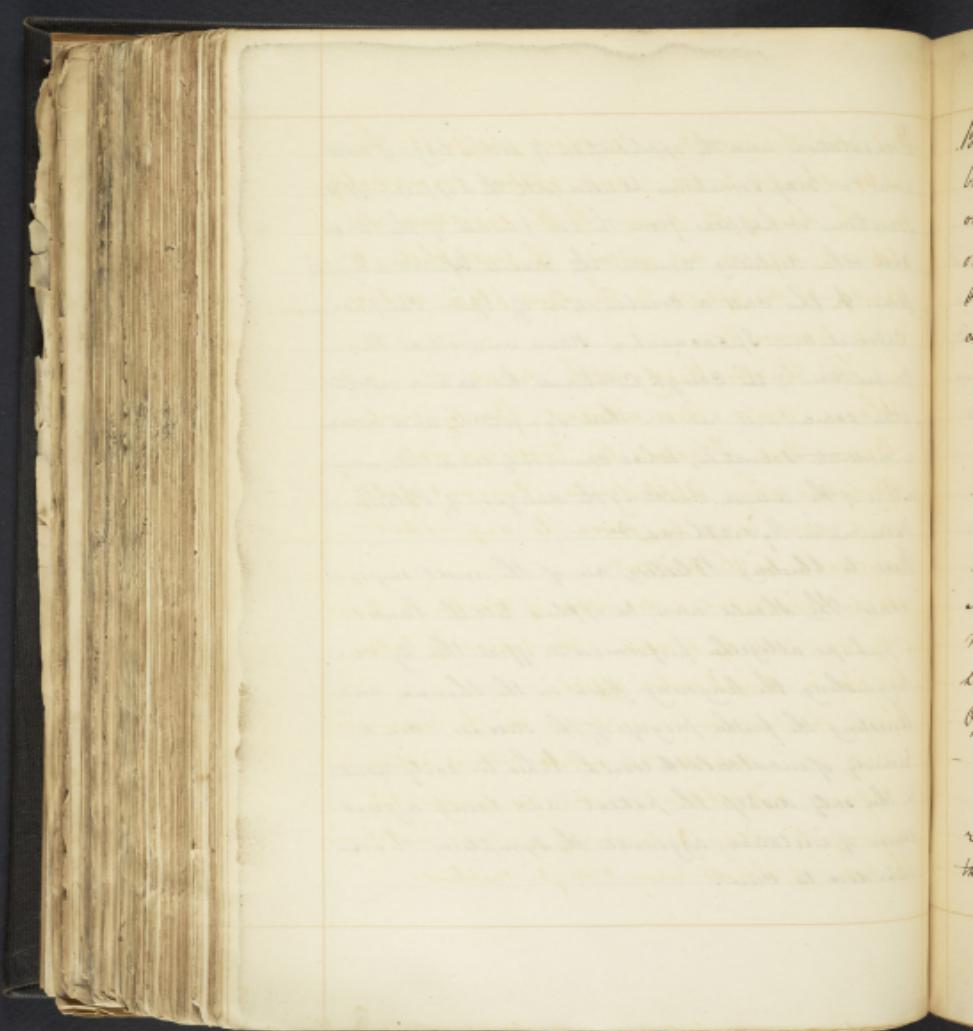


It reduces arterial action, effects a mild diaphoresis, and operates gently on the bowels. It has the confidence of all practitioners who employ the Welsh or Alcumbers bath, but employed for a great length of time ~~and~~ still retaining its primitive and deserved celebrity. The proper effect is produced without raising the temperature of the system, and it is marked with a great deal of certainty in its operation; wherefore it is well adapted it is well adapted to every case where an increased temperature is to be avoided. But as a remedy to a patient with tenesmus, in reducing arterial action, the mustard before mentioned is the best. A solution of Tartar Emittie in water is often used for the same purpose. When there is much thickneſſ over the breast Ipecacuanha appears to have considerable power in removing that symptom. It sometimes happens that this still remains some slight feeble action, after the lancet has been used to as great an extent as is proper. Then topical bleeding should be employed either with cups or leeches: five or six threee drawn in this way has a most excellent effect.



Fomentations and the application of warm bags of oats
ashes &c may sometimes be used with the happiest effect.
Sometimes it happens from the too free use of the lancet
and other depleting remedies the disease assumes a typhoid
form. In this case a combination of Opium Camphor
Calomel and Siccawana stands unrivalled. This
combination if the Cough continues hard and expector-
ation scarce, will remove these symptoms and induce
a moderate salivation, which commonly eradicates every
vestige of the disease, obviating the danger of Phthisis
Pulmonalis. Hydatheras &c.

Next to bleeding Blisters are of the most impor-
tance. They should never be applied till the lancet
or perhaps altogether performed its office, then by ex-
tinguishing the lingering pain in the thorax and
arresting the further progress of the disease are a
remedy of incalculable worth. When too early resorted
to, they only dispirit the patient and being a great
source of irritation aggravate the symptoms they were
intended to cure.



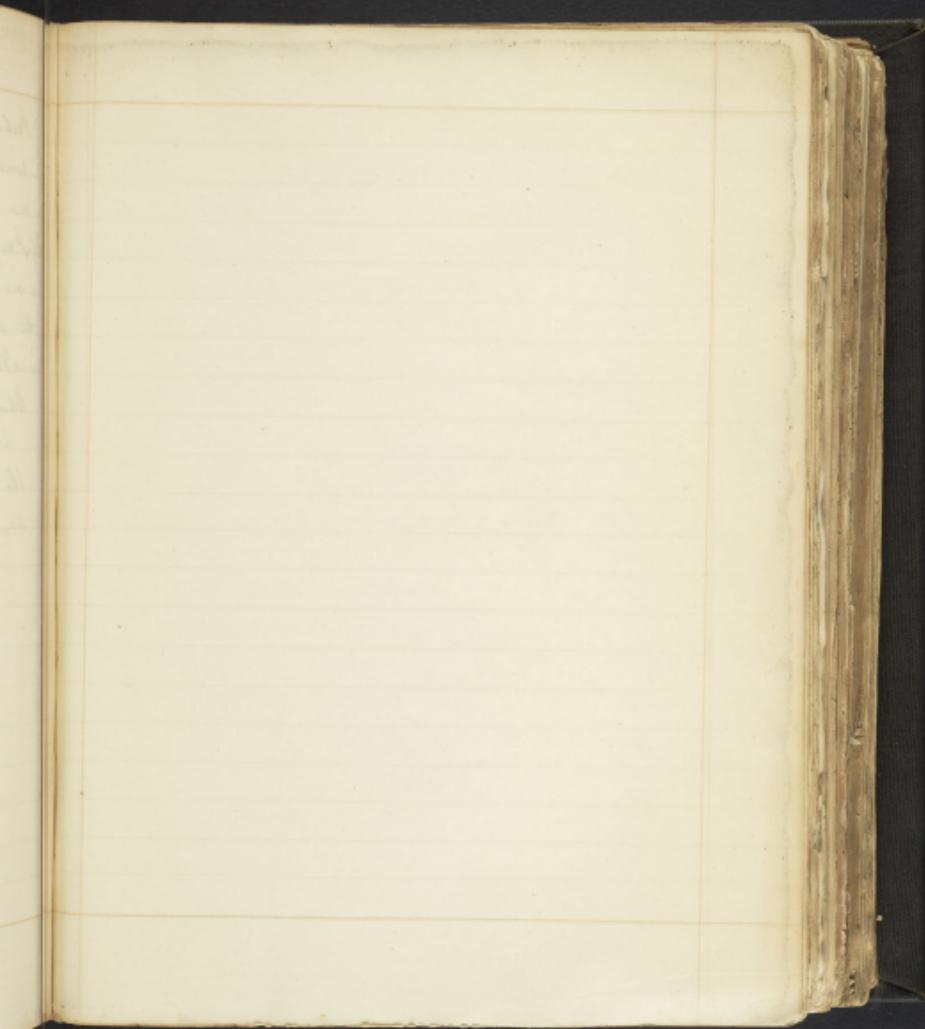
But when the preceding treatment justify it, the
blister should be large, and applied immediately
over the seat of the pain. If the symptoms are
obstinate and do not yield to the first blister it
should be re-applied to the same place as soon
as it becomes dry.

The diet through both disease should be
bland and demulcent. Barley water,
Bran Tea, Flaxseed tea, toast and water,
Molasses Whig, Apple water, Currant jelly
and water, may be given to any extent
agreeable to the patient.

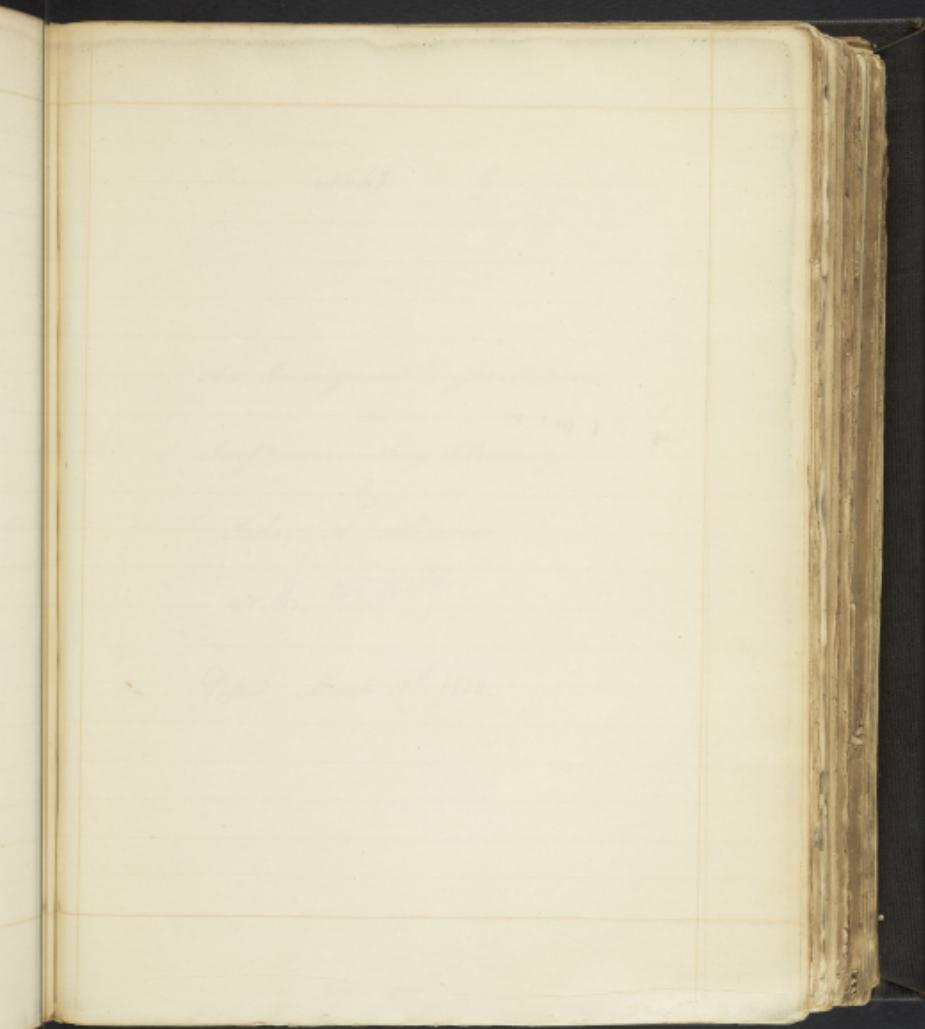
As an expectorant, a decoction of Seneka Snakewort
may very properly be used, when copiously taken
has also a diaphoretic effect.

Opium should never be employed in the commence-
ment of the disease; nor until the articular action be
reduced, notwithstanding, it is an invaluable
remedy to allay pulmonary irritation. It forms
the base of almost every Cough Mixture.

Perhaps the best demulcent and expectorant Com-
- bination to remedy the Cough consists of R. Sph-
-erae Cete. Tij rubbed in the yolk of an egg
Eliapagorone. Yf bin. Antimoniate and Spt. Nitro. Other
a a Tij and of Loaf sugar enough to render
the mixture agreeable. Water Yel. Do. a full spoonfull twice
a day. The Brown Mixture recommended by Dr
Chapman may answer as well, and probably
better; but I have been so well satisfied with
the effect of the first, that I have rarely employed
any other.







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